



Atty Dkt No. 9000-0055

COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 1 of 1

In the Application of BOLTON et al.

Serial No.: 09/878,781

Art Unit: ~~Unassigned~~ 1645

Filed: June 11, 2001

Examiner: Unassigned

Title: IMMUNIZATION OF DAIRY CATTLE WITH GapC PROTEIN AGAINST STREPTOCOCCUS INFECTION

U.S. PATENT DOCUMENTS

| Exam. Init. | Ref. Desig. | Document No. | Date | Name | Class | Sub Class | Filing Date |
|-------------|-------------|--------------|------|------|-------|-----------|-------------|
| / | AA-2 | | / | | | | |

FOREIGN PATENT DOCUMENTS

| Exam. Init. | Ref. Desig. | Document No. | Publication Date | Country or Patent Office | Class | Sub Class | Translation YES | NO |
|-------------|-------------|--------------|-------------------|--------------------------|-------|-----------|-----------------|----|
| SD | AB-2 | WO 96/41879 | December 27, 1986 | PCT | | | | |
| SD | AC-2 | WO 98/18930 | May 7, 1998 | PCT | | | | |
| SD | AD-2 | WO 99/42588 | August 26, 1999 | PCT | | | | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

| Exam. Init. | Ref. Desig. | Description |
|-------------|-------------|---|
| SD | AE-2 | Finch et al., "Further Studies on the Efficacy of a Live Vaccine Against Mastitis Caused by Streptococcus Uberis," <i>Vaccine</i> 15(10):1138-1143 (1997) |
| SD | AF-2 | Gase et al., "Cloning Sequencing and Functional Overexpression of the Streptococcus Equisimilis H46A gapC Gene Encoding a Glyceraldehyde-3-Phosphate Dehydrogenase that also Functions as a Plasmin(ogen)-Binding Protein. Purification and Biochemical Characterization of the Protein," <i>European Journal of Biochemistry</i> 239(1):42-51 (1996) |

Examiner:

SD

Date Considered:

January 04

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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In the Application of BOLTON et al.

Serial No.: 09/878,781

Art Unit: ~~1686~~ 1645

Filed: June 11, 2001

Examiner: Unassigned

Title: IMMUNIZATION OF DAIRY CATTLE WITH GapC PROTEIN AGAINST STREPTOCOCCUS INFECTION

U.S. PATENT DOCUMENTS

| Exam. Init. | Ref. Desig. | Document No. | Date Name | Name | Class | Sub Class | Filing Date |
|-------------|-------------|--------------|----------------------|------|-------|-----------|-------------|
| SD | AA-2 | 4,954,618 | Fahnestock | | 530 | 387 | |
| | AB-2 | 4,977,082 | Boyle et al. | | 435 | 71.1 | |
| | AC-2 | 5,108,894 | Bjorck et al. | | 435 | 6 | |
| | AD-2 | 5,237,050 | Boyle et al. | | 530 | 350 | |
| | AE-2 | 5,328,996 | Boyle et al. | | 536 | 23.1 | |
| | AF-2 | 5,721,339 | Boyle et al. | | 530 | 350 | |
| SD | AG-2 | 5,863,543 | Jiang et al. | | 424 | 244.1 | |

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|-------------|-------------|--------------|------------------|--------------------------|-------|-----------|--------------------|
| SD | AH-2 | EP 0 887 410 | 30 December 1998 | EPO | | | |
| | AI-2 | WO 00/39299 | 6 July 2000 | PCT | | | |
| | AJ-2 | WO 96/40928 | 19 December 1996 | PCT | | | |
| SD | AK-2 | WO 98/18930 | 7 May 1998 | PCT | | | |

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Serial No.: 09/878,781

Art Unit: ~~4636~~ 1645

Filed: June 11, 2001

Examiner: Unassigned

Title: IMMUNIZATION OF DAIRY CATTLE WITH GapC PROTEIN AGAINST STREPTOCOCCUS INFECTION

| Exam. Init. | Ref. Desig. | Description |
|-------------|-------------|--|
| SD | AL-2 | Baird et al., "Epitopes of Group A Streptococcal M Protein Shared With Antigens of Articular Cartilage and Synovium," <i>The Journal of Immunology</i> <u>146</u> (9):3132-3137 (1991) |
| | AM-2 | Bisno, Alan L., "Group A Streptococcal Infections and Acute Rheumatic Fever," <i>New Eng J. Med.</i> <u>325</u> :783-793 (1991) |
| | AN-2 | Bronze et al., "Epitopes of Streptococcal M Proteins that Evoke Antibodies That Cross-React with Human Brain," <i>The Journal of Immunology</i> <u>151</u> (5):2820-2828 (1993) |
| | AO-2 | Cunningham et al., "Study of Heart-Reactive Antibody in Antisera and Hybridoma Culture Fluids Against Group A Streptococci," <i>Infection and Immunity</i> <u>42</u> (2):531-538 (1983) |
| | AP-2 | Dale, J. L., "Multivalent Group A Streptococcal Vaccine Designed to Optimize the Immunogenicity of Six Tandem M Protein Fragments," <i>Vaccine</i> <u>17</u> (2):193-200 (1999) |
| | AQ-2 | Dale, J. L. and Beachy, G. H., "Multiple, Heart-Cross Reactive Epitopes of Streptococcal M Proteins," <i>J. Exp. Med.</i> <u>161</u> :113-122 (1995) |
| | AR-2 | Dale, J. L. and Beachy, G. H., "Protective Antigenic Determinant of Streptococcal M Protein Shared With Sarcolemmal Membrane Protein of Human Heart," <i>J. Exp. Med.</i> <u>156</u> :1165-1176 (1985) |
| | AS-2 | Froude et al., "Cross-Reactivity Between Streptococcus and Human Tissue: A Model of Molecular Mimicry and Autoimmunity," <i>Microbiology and Immunology</i> <u>145</u> :5-26 (1989) |
| | AT-2 | Kehoe, Michael A., "Group A Streptococcal Antigens and Vaccine Potential," <i>Vaccine</i> <u>9</u> :797-806 (1991) |
| | AU-2 | Lancefield, Rebecca C., "Current Knowledge of Type-Specific M Antigens of Group A Streptococci," <i>J. of Immunology</i> <u>89</u> :307-313 (1962) |
| | AV-2 | Langone, John J., "Protein A of <i>Staphylococcus aureus</i> and Related Immunoglobulin Receptors Produced by Streptococci and Pneumococci," <i>Advances in Immunology</i> <u>32</u> :167 (1982) |
| SD | AW-2 | Liljeqvist et al., "Surface Display of Functional Fibronectin-Binding Domains on <i>Staphylococcus carnosus</i> ," <i>FEBS Letters</i> <u>446</u> :299-304 (1999) |

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| Exam. Init. | Ref. Desig. | Description |
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| SD | AX-2 | Stollerman, G. H., "Rheumatogenic Streptococci and Autoimmunity," <i>Clin. Immunol. Immunopathology</i> , 61:131-142 (1991) |

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